



Item 7.5: Technology and Projects Update

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Reliability and Markets Committee Meeting

ERCOT Public

June 19, 2023

Overview

- **Purpose**

Provide update on recent releases and project delivery

- **Voting Items / Requests**

No action is requested of the R&M Committee or Board; for information only





- **Key Takeaway**

- 2023 OKR projects remain on budget and schedule

ERCOT Application Release & Tech Health Upgrades

- Application Release Highlights
 - Creation of ERCOT Contingency Reserve Service (ECRS)
 - NPRR1085 (Ensuring Continuous Validity of Physical Responsive Capability (PRC) and Dispatch through Timely Changes to Resource Telemetry and Current Operating Plans)
 - Weatherization (Field Service Module)
- Continued collaboration with Market Participant IT/OT groups and their vendors for ECRS via Technology Working Group
- Energy Management System (EMS) Freeze

2023 OKR Projects Stoplight

Status	Project	Update
	ERCOT Contingency Reserve Service (ECRS) Implementation	<ul style="list-style-type: none"> On track – Release Cycle 3 (6/8/2023) First planned Operating Day 6/10/2023 Market readiness discussions at TAC, TWG & in ECRS Workshops
	Energy Management System (EMS) Upgrade	<ul style="list-style-type: none"> On track – release in November 2023 Monitoring testing progress Internal testing through 9/29/2023 Closed loop testing begins 9/30/2023 Currently limiting EMS changes that impact in-flight projects Post-ECRS EMS changes limited to critical/emergency items Market discussion of technical impacts at TWG
	DC5 Infrastructure Refresh Program	<ul style="list-style-type: none"> On track – key milestones defined for 2023 Tracking to progress targets set for server migrations, backup migrations, network firewall refresh, and telecom upgrades Tracking schedule risk for database migrations Mitigating supply chain delays through accelerated purchase Migration schedules coordinated with other portfolio activity
	Treasury Management System Implementation	<ul style="list-style-type: none"> On track – key milestones defined for 2023 Release Accounts Receivable Matching solution with limited integration – July Complete planning for full integration solution – August Planning phase completion in August will set the final go-live and budget

Key Takeaway: All 2023 OKR projects remain on budget and schedule

